INTERNATIONAL SEARCH REPOR	$_{\mathrm{T}}$	International applic	ation No
		PCT/US04/354 ₅ 2	
A. CLASSIFICATION OF SUBJECT MATTER 1PC(7) B21D 39/00, B23K 31/02; B23K 35/12; B32B 31/00 US CL : 228/164, 135,141 1,173.2,182,193,203,252;29/17.1, 17.3,17.4,904 According to International Patent Classification (IPCI or to both national classification and IPC B. FIELDS SEARCHED			
Minimum documentation searched (classification system followed by classification symbols)			
U.S. : 228/164,135,141. 1,173.2,182, 193,203,252;29/17.1, 17.3,17.4,904			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched			
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)			
C. DOCUMENTS CONSIDERED TO BE RELEVANT			
Category * Citation of document, with indication, where ap	ppropriate, of the relev	ant passages	Relevant to claim No
A US 6,672,502 B1 (PAUL et al.) 06 January 2004 (06.			1-65
Further documents are listed in the continuation of Box C		family annex.	
"A" document defining the general state of the art which is not considered to be of particular relevance E" earlier application or patent published on or after the international filing date	date and not principle or "X" document or considered r	m conflict with the applic theory underlying the inve f particular relevance, the tovel or cannot be consider	rnational filingdate or priority ation but cited to understand the intion claimed invention cannot be red to involve an inventive step
"L" document which may throw doubts on priority claimCs) or which is ctted to establish the publication date of another citation or other special reason (as specified)	"Y" document of considered t with one or	o involve an inventive step more other such document	claimed invention cannot be when the document is combined s, such combination being
 *O" document referring to an oral disclosure, usc, exhibition or other means *T" document published pπor to the international filing date but later than the priority date claimed 		person skilled in the art ember of the same patent f	amily
Date of the actual completion of the international search	Date of mailing of the	ne international secon	h report
·) A	MΔR 2006	a ropon
08 February 2006 (08.02,2006) Name and mailing address of the ISA/US	Authorized officer	IVIAN ZUUB	
MaU Stop PCT, Aun: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Colleen P. COoke	J. Whi	Ital les
Form PCT/ISA/210 (second sheet) (April 2005)			